FRANCESCO COACCI

New York, NY | +1 (646) 707-4088 | fc2475@nyu.edu

EDUCATION

New York University, Graduate School of Arts and Science, New York, NY — Sep 2023 - Dec 2024
Master of Science, Computing, Entrepreneurship & Innovation

- Relevant Coursework: Foundations of Networks and Mobile Systems, Entrepreneurship, Strategy, Leadership, Big Data & ML Systems, DevOps and Agile Methodologies

University of Genoa, Genoa, Italy — Sep 2019 – Sep 2022
Bachelor of Science, Computer Science

- Relevant Coursework: Linear Algebra, Calculus, Algorithms and Data Structures, Computer Security, Concurrent Programming and Distributed Algorithms
- Final Thesis: "The Hashgraph Algorithm: a solution to the blockchain trilemma"

EXPERIENCE

NECTO — **New York, NY**
Co-founder & CEO — **May 2024 – Present**

- Developed a Golang GraphQL API to connect third-party data providers using an OAuth2 abstraction, enhancing data integration and security
- Built an iOS app using SwiftUI to help users connect their services and products, allowing them to earn from the data they generate
- Designed and implemented a complex AWS infrastructure deployed using AWS CDK, enabling automatic data ingestion and processing pipelines
- Created a data buyers portal using Next.js and React to facilitate seamless data transactions and interactions

HASHGRAPH — **Dallas, TX**
Developer Relations Engineer Intern — **May 2022 – Dec 2022**

- Implemented examples through Hedera SDK and Solidity for a 20,000 developers' community
- Hosted multiple workshops to spread awareness about Hedera and the difference between blockchain and hashgraph to an audience of more than 1,000 developers
- Programmed a React application to simplify the learning curve of Hedera SDK by providing a playground with runnable templated pieces of code

SUPERNOVA (Self-employed) — **Genoa, IT**
Software Engineer — **Apr 2018 – Apr 2022**

- Created a Python library to translate Oracle to SQLite syntax for an ETL pipeline
- Developed a voting platform using NodeJS for a singing contest with a 5,000 people audience
- Built an Open-CV-based IOS and Android document scanning app connected to Firebase Cloud Storage and Cloud Function improving productivity by 60%

PROJECTS

Coal: A song copyright violation recognition algorithm, **NYU Research Project** — **Fall 2023**

- Developed an LCS-based algorithm for music pattern recognition to determine a matching rate between a new song and a dataset of existing songs, enabling artists to receive royalties from music samples automatically

TECHNICAL SKILLS

- Go, Python, NodeJS, Java, C++, AWS, GCP, SwiftUI, Docker, Arduino, MatLab, React, Typescript, GraphQL

INTERESTS

Sailing, Surfing, Programming, Economics, Philosophy, Astronomy